



Gulf of Mexico Harmful Algal Bloom Bulletin

20 June 2006

NOAA Ocean Service

NOAA Satellites and Information Service

Last bulletin: June 19, 2006

Conditions Report

Harmful algae has been identified in southern Lee County. Very low impacts are possible each afternoon through the weekend.

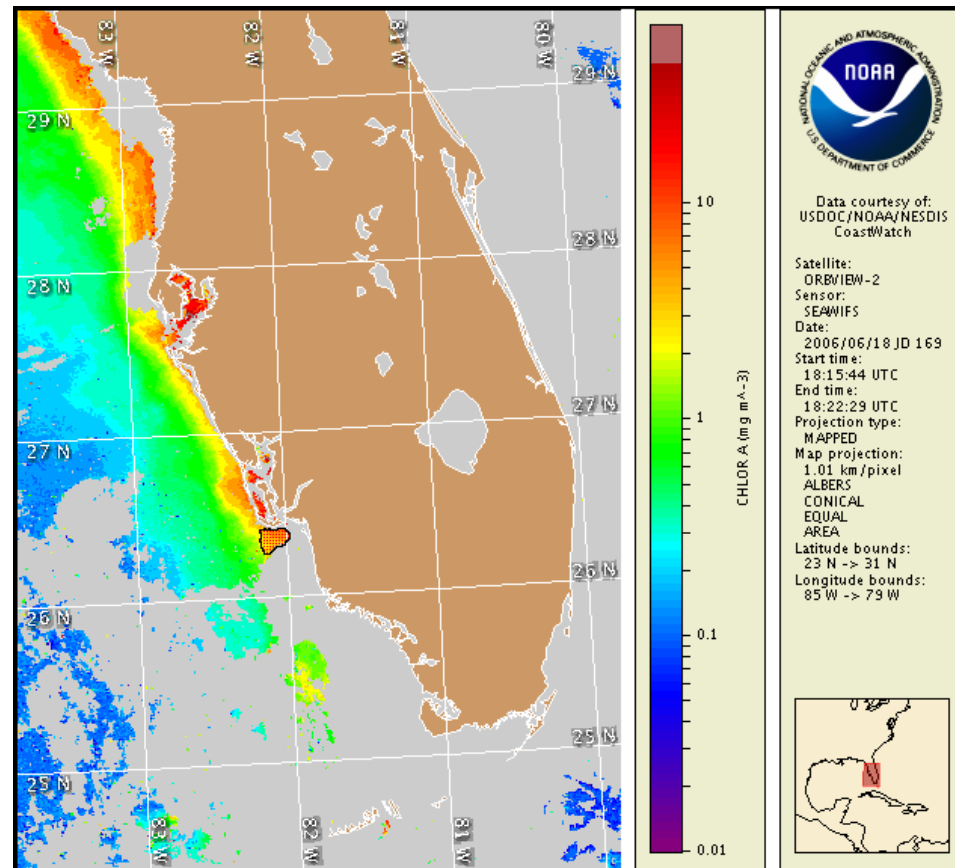
Analysis

** This bulletin is supplemental to Bulletin 33 disseminated yesterday, June 19, 2006. **

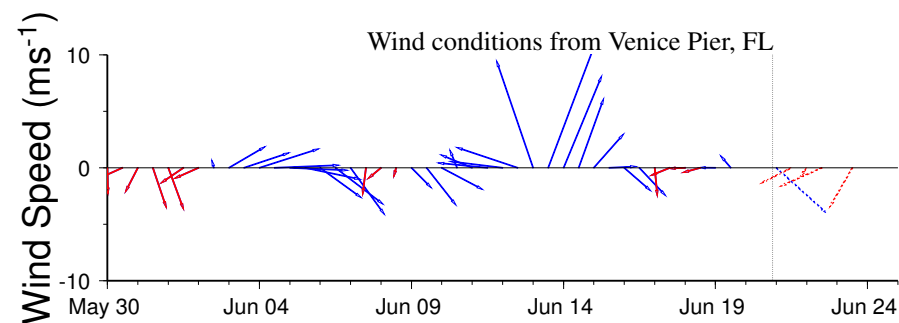
A low concentration of *K. brevis* was detected at the mouth of the Caloosahatchee River, just inland of Sanibel Island (6/16, FWRI). A maximum chlorophyll of $>10 \mu\text{L}$ was located at $26^{\circ}27'N$ $81^{\circ}58.8'W$ in June 19 satellite imagery. A region of elevated chlorophyll extends from $26^{\circ}18.6'N$ $81^{\circ}55.2'W$ to $26^{\circ}45.6'N$ $82^{\circ}19.2'W$. Continued sampling is recommended. Upwelling-favorable conditions through the weekend may cause intensification of the feature. Minimal transport expected through Sunday.

Due to technical issues, satellite imagery in this supplemental bulletin is from June 18. June 19 imagery, which clearly shows the area of interest, will follow in a subsequent email.

-Stolz-Allen, Fisher



Satellite chlorophyll image with possible HAB areas shown by red polygon(s).

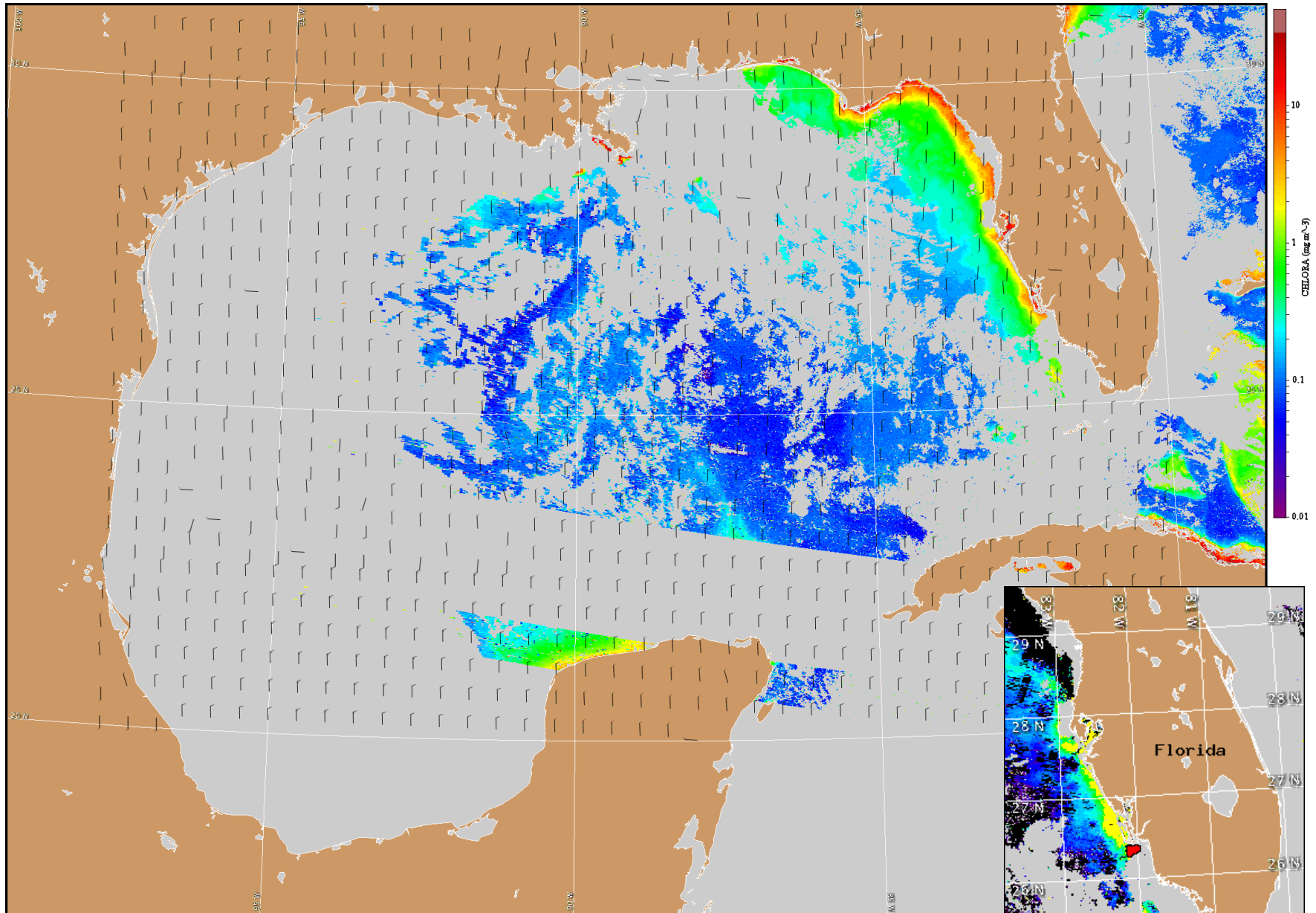


Wind speed and direction are averaged over 12 hours from buoy measurements. Length of line indicates speed; angle indicates direction. Red indicates that the wind direction favors upwelling near the coast. Values to the left of the dotted vertical line are measured values; values to the right are forecasts.

Northeasterly winds tonight through tomorrow at 5-10 knots (3-5 m/s) with a northwesterly wind in the afternoon. Easterly winds Wednesday night through Sunday at 10 knots (5 m/s) except becoming onshore along the coast each afternoon.

Please note the following restrictions on all SeaWiFS imagery derived from CoastWatch.

1. Data are restricted to civil marine applications only; i.e. federal, state, and local government use/distribution is permitted.
2. Image products may be published in newspapers. Any other publishing arrangements must receive OrbImage approval via the CoastWatch Program.



Satellite chlorophyll image and forecast winds for June 21, 2006 12Z.

Verified HAB areas shown in red. Other bloom areas shown in yellow (see p. 1 analysis for interpretation).